

					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					HAAS - 1 - B4B	
130 HAAS 4 Axis - B4B	2 pcs	4/30/19	0.00	0.00	HAAS - 2 - B4B	
					HAAS - 3 - B4B	
					HAAS - 4 - B4B	
135 QC 2	2 pcs	4/30/19	0.00	0.00	QC 2 - 1	
					QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	
					QC 2 - 8	
					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
140 QC 8	2 pcs	4/30/19	0.00	0.00	QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	

mm. 2019/05/13

mm 2019/05/13

mm 2019/05/13

					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
150 Small Fab - 2 - B4B	2 pcs	4/30/19	0.00 0.47		Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
					QC 5 - 10	
					QC 5 - 12	
160 QC 5	2 pcs	4/30/19	0.00 0.00		QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
					Handfinish - 1 - 1 - B4B	
					Handfinish - 1 - 2 - B4B	
					Handfinish - 1 - 3 - B4B	
					Handfinish - 1 - 4 - B4B	
					Handfinish - 1 - 5 - B4B	
					Handfinish - 1 - 6 - B4B	
					Handfinish - 1 - 7 - B4B	
					Handfinish - 1 - 8 - B4B	
					Handfinish - 1 - 9 - B4B	
					Handfinish - 1 - 10 - B4B	
					Handfinish - 1 - 11 - B4B	
					Handfinish - 1 - 12 - B4B	
					Handfinish - 1 - 13 - B4B	
					Handfinish - 1 - 14 - B4B	
					Handfinish - 1 - 15 - B4B	
					Handfinish - 1 - 16 - B4B	
					Handfinish - 1 - 17 - B4B	
					Handfinish - 1 - 18 - B4B	
					Handfinish - 1 - 19 - B4B	
					Handfinish - 1 - 20 - B4B	
					Handfinish - 1 - 21 -	
170 Handfinish - 1-1 Chemical-B4B	2 pcs	4/30/19	0.00 0.17			

DAS 30 9-89 MAY 29 2019
MAY 15 2010

DAS 40 9-89
MAY 30 2019

JUN 03 2019

[illegible]

210 Packaging 3-1 - Stock - B4B	2 pcs	4/30/19	0.00 0.00	QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	JUN 06 2019 DAS 40 9-89
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	FP001 ML 19-6-6
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
220 QC 21 - SA	2 pcs	4/30/19	0.00 0.00	QC 21 - SA - 21	DAS 21 9-89
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - (Bandsaw) Cut Blanks 4.20" Long

Descriptions: 110 - (Doosan Lathe) Turn as per Folio FA532 & Dwg D3401 Folio Rev: AA Dwg Rev: D

120 - (QC2- Inspect parts off machine FAI/FAIB)

130 - (HAAS CNC Vertical Machine) Machine as per Folio FA532 and Dwg D3401 Dwg Rev: B Folio Rev: AA

Identify as D3401-1 Deburr & Buff rad as per Dwg D3401

135 - (QC2- Inspect parts off machine FAI/FAIB)

140 - (QC8- Inspect parts - second check)

150 - (Small Fab) Drill and c'sink using DT8782 as per Dwg D3401

160 - (QC5- Inspect part completeness to step on W/O)

170 - (Chemical Conversion Coat per QSI005 4.1)

180 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____ FINISH TIME: _____

190 - (QC3- Inspect Part Finish)

195 - (Assemble as per dwg)

200 - (QC5- Inspect part completeness to step on W/O)

210 - (Identify as per dwg & Stock Location: _____) LOCATION : FP001

220 - (QC21- Final Inspection - Work Order Release)

JUN 06 2019

MAT used
 616215
 1- FM 137844.0 → 1.770
 2- FN 135094.0 → 1.062
 5076019
 +1354

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R3.500	6061 Round Bar 3.50	.7000 ft (.35 ea)	100-Bandsaw - 1	
NAS1330C3KB116	Rivnut	8 Ea (4 ea)	195-Handfinish - 4-1-Assembly-B4B	

5036487 x16

.398

5076019 x29

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	M6061T6R3.500	1	12	0
195-Handfinish - 4-1-Assembly-B4B	NAS1330C3KB116	8	78	0

Part Specifications

Specifications could not be found.

Plex 4/16/19 11:00 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>193522</u> Part No. <u>D3401-04</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042) INSP 12 9/15/13 Completed By [Signature] Lead hand / Supervisor QC / QA Coordinator DAS 68 9-89 MAY 29 2019
Description Work Order Deviation I.D. $\phi 3.225^{+0.000}_{-0.005}$ is $\phi 3.227$.		Disposition Acceptable.		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread Other/Details: _____		

DART

DART AEROSPACE USA, INC.
PORT HADLOCK, WA

DESIGN PH
CHECKED PH
APPROVED PH

DRAWING NO.
D3401

REV. B
SHEET 1 OF 1

DATE
05.06.09

TITLE
TOW CAP

SCALE
1:2

A

05.02.24

NEW ISSUE

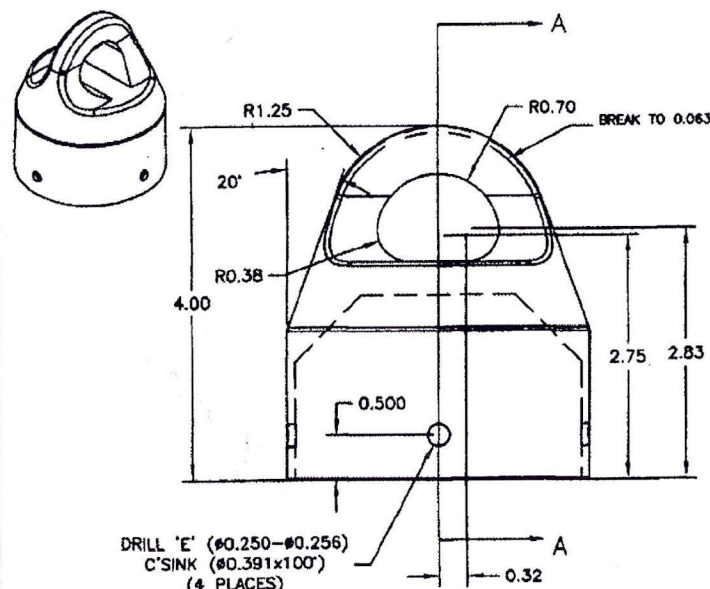
B

05.06.09

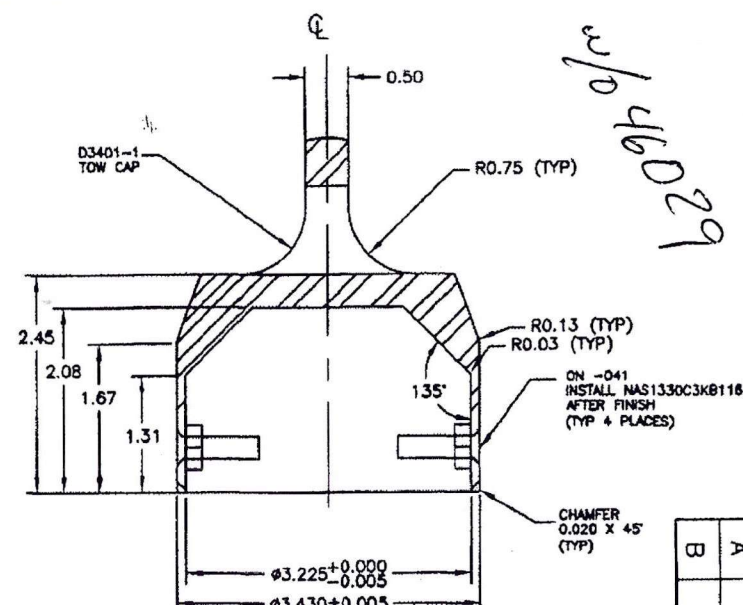
CHAMFER INSIDE, REMOVE RADIUS

u/p 46029

RELEASED
05-08-01



D3401-1 TOW CAP



D3401-1/-041 TOW CAP

D3401-1 TOW CAP

- 1) MATERIAL: MAKE FROM ALUMINUM 6061-T6 Ø3.500 ROUND BAR PER QQ-A-225/8 OR AMS-QQ-A-200/8 (REF. DART SPEC M6061T6R3.5000)
- 2) BREAK ALL UNMARKED SHARP EDGES 0.005 TO 0.015
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) ALL TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

D3401-041 TOW CAP

- 1) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
POWDER COAT ASSEMBLY WHITE (4.3.5.1) PER DART QSI 005 4.3

D3401-041 TOW CAP PARTS LIST

QTY	PART NUMBER	DESCRIPTION
1	D3401-1	TOW CAP
4	NAS1330C3KB116	INSERT

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